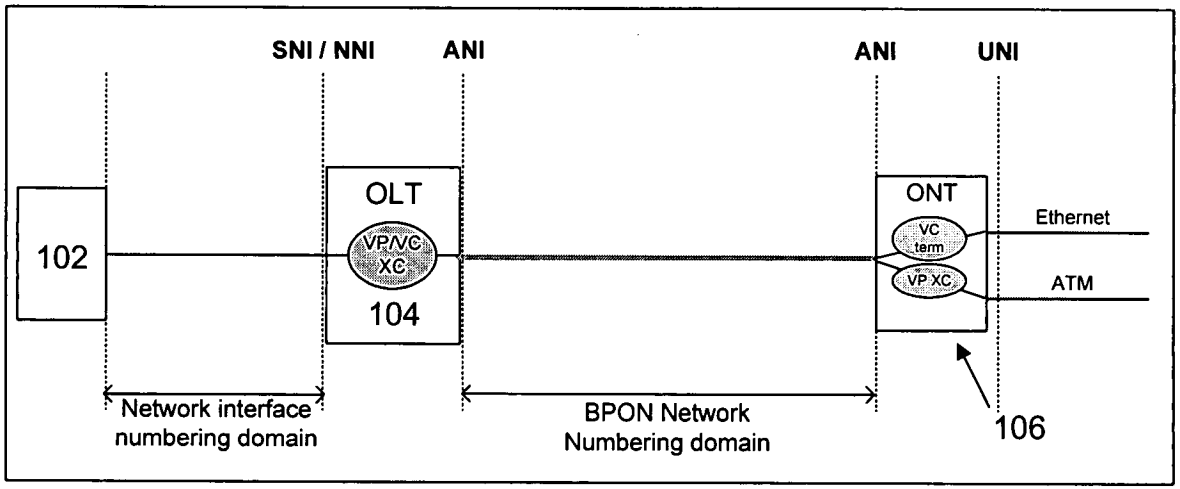
SNI / NNI
ANI
ANI
UNI
OLT
VP/VC XC
104
ONT
VC term
VP XC
Ethernet
ATM
102
Network interface numbering domain
BPON Network Numbering domain
106

Fig. 1

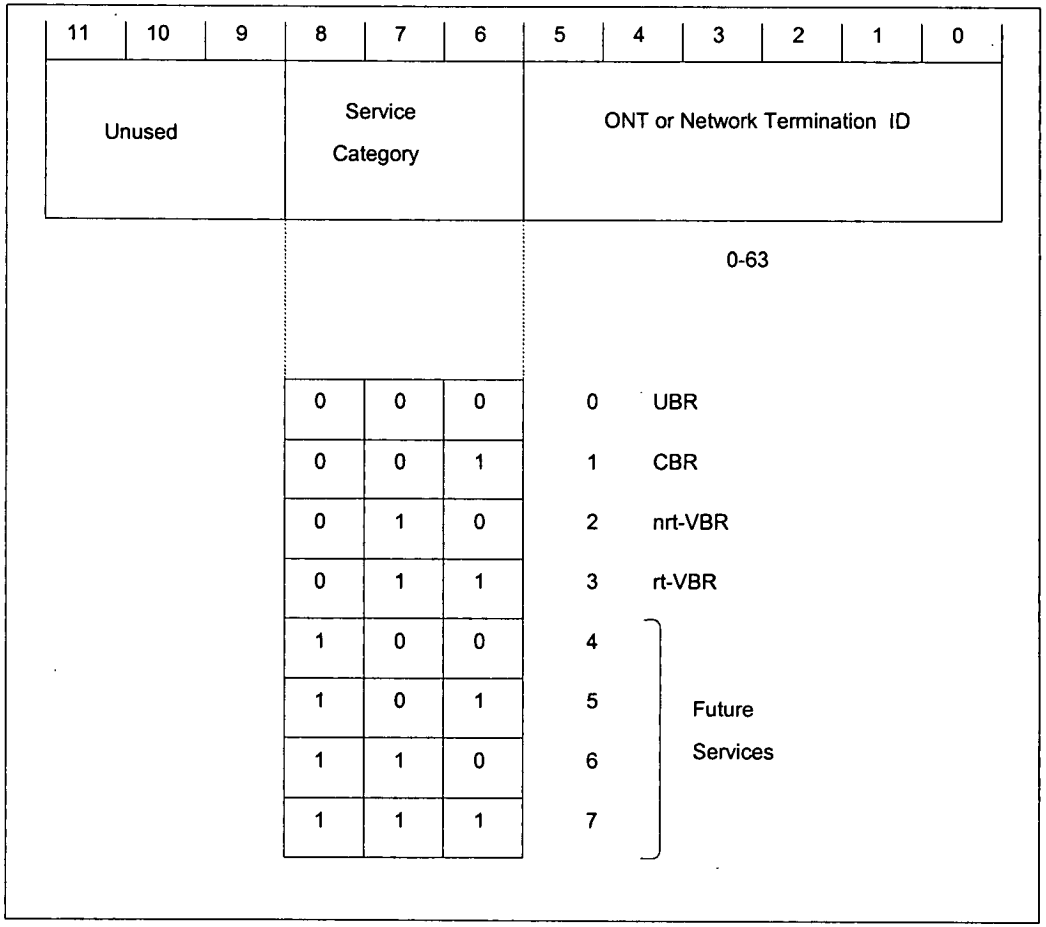
11
10
9
8
7
6
5
4
3
2
1
0
Unused
Service Category
ONT or Network Termination ID
0-63
0 0 0 0 UBR
0 0 1 1 CBR
0 1 0 2 nrt-VBR
0 1 1 3 rt-VBR
1 0 0 4
1 0 1 5
1 1 0 6
1 1 1 7
Future Services

Fig. 2

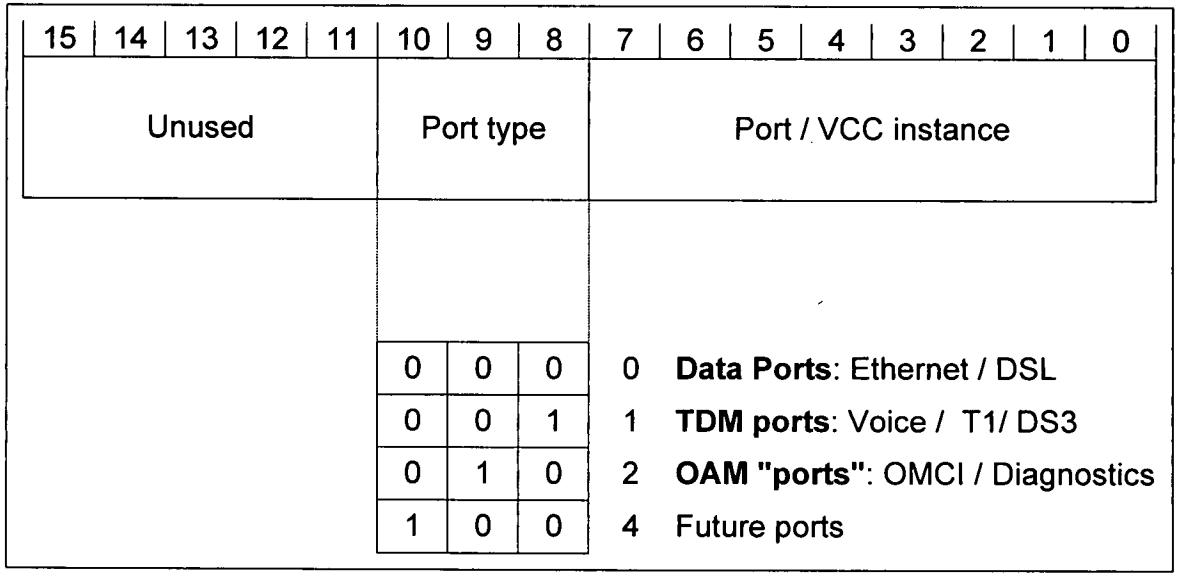
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Unused
Port type
Port / VCC instance
0 0 0 0 Data Ports: Ethernet / DSL
0 0 1 1 TDM ports: Voice / T1/ DS3
0 1 0 2 OAM "ports": OMCI / Diagnostics
1 0 0 4 Future ports

Fig. 3

Port Type		Port #	per port VCC #	Formula	VCI Value
Data ports Ethernet / DSL		1-24	1st	31 + Port #	32-55
		1-24	2nd	55 + Port #	56-79
		1-24	3rd	79 + Port #	80-103
		1-24	4th	103 + Port #	104-127
		1-24	5th	127 + Port #	128-151
		1-24	6th	151 + Port #	152-175
		1-24	7th	175 + Port #	176-199
		1-24	8th	199 + Port #	200-223
Voice	Single VCC	1	1	256	256
	Per port VCC	1-32	1	255 + Port #	256-287
T1		1-8	1	311 + Port #	312-319
Control port (OMCI)		1	1	512	512

Fig. 4